



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

MAY 27 1999

Ms. Nicole Petty  
Regulatory Affairs Representative  
Stryker Instruments  
4100 East Milham Avenue  
Kalamazoo, Michigan 49001

Re: K991703  
Trade Name: The HERMES-Ready™ Total Performance System  
Regulatory Class: II  
Product Code: GCJ  
Dated: May 18, 1999  
Received: May 19, 1999

Dear Ms. Petty:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

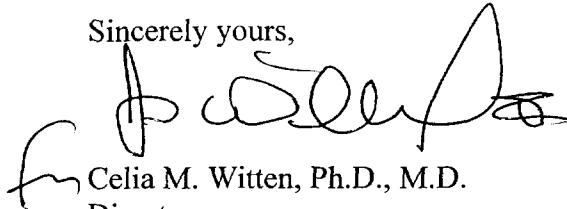
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

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This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4595. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Celia M. Witten', is written over the typed name.

Celia M. Witten, Ph.D., M.D.  
Director  
Division of General and  
Restorative Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

**Indications for Use Statement**510(k)  
NumberK991703**Device Name** The HERMES-Ready™ Total Performance System

**Indications** The HERMES-Ready™ Total Performance System is intended for use in the cutting, drilling, reaming, decorticating, and smoothing of bone and other bone related tissue in a variety of surgical procedures. Procedures for use on bone are often in orthopedics, dental, oral surgery, maxillofacial, plastics, ENT, and neurological. It is also used in the placement of screws, wires, pins, and other fixation devices. It can also be used to cut metal.

The endoscopic applications with TPS include use of the SE5 Small Joint Shaver in the wrist for any need for morselization of tissue within the joint. Cutters will be used to debride synovitis, articular cartilage flaps, or torn ligaments when surgeons deem resection appropriate. Burs are indicated for management of osseous lesions such as eburnated articular surfaces or osteophytes.

The Hermes aspect of this device allows the surgeon to remotely control the input parameters (panel selection options) through voice control technology, via a headset. Optional pendant control (wired remote), and conventional footswitch control are also available. The HERMES system allows voice and pendant control of the SE5 Shaver with buttons handpiece only.

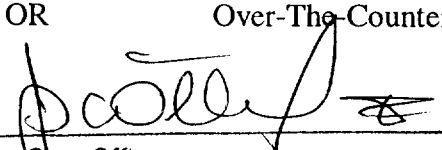
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PLEASE DO NOT WRITE BELOW THIS LINE – CONTINUE ON ANOTHER PAGE IF NEEDED

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use X  
(Per 21 CFR 801.109)

OR Over-The-Counter Use \_\_\_\_\_

  
(Division Sign-Off)

Division of General Restorative Devices K991703  
510(k) Number \_\_\_\_\_